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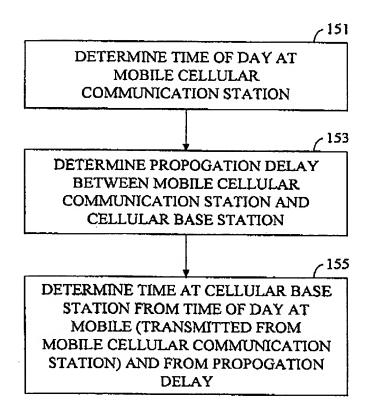


FIG. 4

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CELLULAR BASE STATION TRANSMITS A CELLULAR SIGNAL TO A MOBILE CELLULAR COMMUNICATION STATION (AND OPTIONALLY IN THE SIGNAL REQUESTS SYNCHRONIZATION INFORMATION FROM THE MOBILE STATION); CELLULAR BASE STATION PROVIDES TIME MARKERS IN THE SIGNAL (E.G., FRAME BOUNDARIES IN THE FRAMING STRUCTURE OF THE SIGNAL) BEING SENT TO THE MOBILE STATION

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MOBILE STATION RECEIVES CELLULAR SIGNAL WITH MARKER;
MOBILE STATION ALSO RECEIVES GPS SIGNAL WHICH INCLUDES
GPS TIME; MOBILE STATION TIME TAGS THE MARKER IN THE
CELLULAR SIGNAL WITH GPS TIME (REPRESENTING, IN GPS TIME,
A TIME WHEN THE MARKER WAS RECEIVED AT THE
MOBILE STATION)

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MOBILE STATION DETERMINES ITS POSITION CONTEMPORANE-OUSLY WITH TIME TAGGING THE MARKER IN THE CELLULAR SIGNAL (THE GPS RECEIVER IN THE MOBILE STATION MAY DETERMINE ITS POSITION EITHER AUTONOMOUSLY OR WITH THE ASSISTANCE OF A SERVER IN THE CELLULAR NETWORK)

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MOBILE STATION TRANSMITS TO THE CELLULAR BASE STATION THE MOBILE'S POSITION AND THE GPS TIME ASSOCIATED WITH THE TIME TAGGED MARKER

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BASE STATION COMPUTES ITS TIME OF DAY BY USING POSITION OF MOBILE AND ITS KNOWN POSITION TO DETERMINE PROPOGATION DELAY (BETWEEN MOBILE AND BASE STATION) AND SUBTRACTS THE PROPOGATION DELAY FROM GPS TIME ASSOCIATED WITH MARKER TO DETERMINE GPS TIME AT ITS TRANSMITTED MARKER

TO FIG. 5B

FIG. 5A

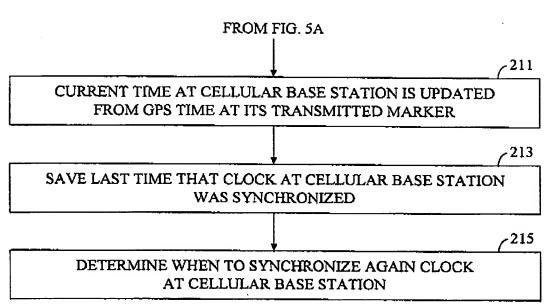
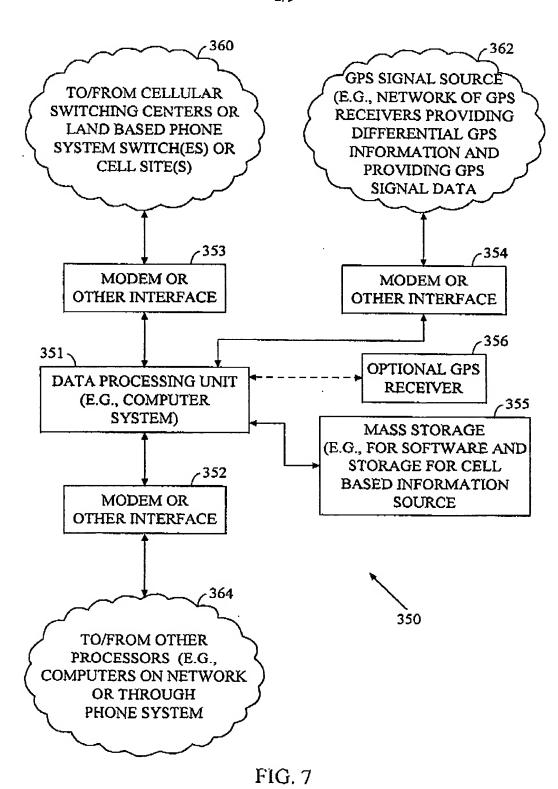


FIG. 5B

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